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2014 DEC 19 PM 4:33
IDAHO PUBLIC
UTILITIES COMMISSION

Attorney for Idaho Power Company

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE APPLICATION)	
OF IDAHO POWER COMPANY FOR)	CASE NO. IPC-E-14-32
APPROVAL OR REJECTION OF AN)	
ENERGY SALES AGREEMENT WITH)	IDAHO POWER COMPANY'S
MURPHY FLAT POWER, LLC FOR THE)	REPLY COMMENTS
SALE AND PURCHASE OF ELECTRIC)	
ENERGY.)	
_____)	

Idaho Power Company ("Idaho Power"), in response to the Notice of Application and Notice of Modified Procedure issued in Order No. 33168 and Order No. 33189 granting the Idaho Public Utilities Commission ("Commission") Staff's ("Staff") request to extend the comment deadlines and in response to the Comments of the Commission Staff filed on December 12, 2014, hereby respectfully submits the following Reply Comments to the Commission. With these Reply Comments, Idaho Power submits, as Attachment 1 hereto, a "Second Replacement Appendix E" that incorporates Staff's

additional recommended rate adjustments consistent with those from Idaho Power's Response to the Third Production Request from Staff.

1. On November 21, 2014, Idaho Power filed Initial Comments in this matter which submitted a "Replacement Appendix E" reflecting the Commission-approved rate adjustments from the Grand View Solar and Boise City Solar cases. Order No. 33179 (Grand View Solar); Order No. 33180 (Boise City Solar).

2. On December 12, 2014, Staff filed Comments recommending the incorporation of additional price adjustments consistent with those made in Idaho Power's Response to the Third Production Request from Staff. Idaho Power submits herewith as Attachment 1, in both clean and redlined format, a "Second Replacement Appendix E" that incorporates Staff's additional recommended rate adjustments consistent with those from Idaho Power's Response to the Third Production Request from Staff.

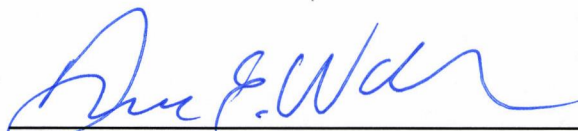
3. On December 18, 2014, Murphy Flat Power, LLC; Simco Solar, LLC; American Falls Solar, LLC; American Falls Solar II, LLC; and Orchard Ranch Solar, LLC, filed Reply Comments. In those Reply Comments, Murphy Flat Power, Simco Solar, and American Falls Solar, each accepted Staff's recommended additional adjustment from Idaho Power's Response to the Third Production Request of Staff, and consented to Idaho Power preparing and submitting a revised Appendix E for each project's Energy Sales Agreement ("ESA") reflecting that recommended adjustment.

4. For comparison purposes, the 20-year levelized rate for the ESA as originally submitted is \$64.57/megawatt-hour ("MWh") and the rate from the Replacement Appendix E is \$63.80/MWh. The estimated 20-year contractual obligation

based upon the originally submitted prices is \$67,953,626 and the estimated 20-year contractual obligation with the revised prices is \$66,848,271. The levelized integration charge contained in the ESA is the same in both instances at \$2.46/MWh.

5. Should the Commission determine to accept the additional recommended rate adjustments, Idaho Power recommends incorporation and approval of the Second Replacement Appendix E with the approval of the ESA, rather than incorporating the same through a contract amendment.

Respectfully submitted this 19th day of December 2014.



DONOVAN E. WALKER

Attorney for Idaho Power Company

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on the 19th day of December 2014 I served a true and correct copy of IDAHO POWER COMPANY'S REPLY COMMENTS upon the following named parties by the method indicated below, and addressed to the following:

Commission Staff

Kristine A. Sasser
Deputy Attorney General
Idaho Public Utilities Commission
472 West Washington (83702)
P.O. Box 83720
Boise, Idaho 83720-0074

☒ Hand Delivered
☐ U.S. Mail
☐ Overnight Mail
☐ FAX
☒ Email kris.sasser@puc.idaho.gov

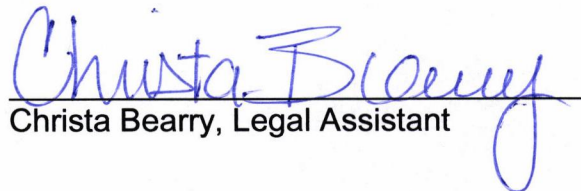
Murphy Flat Power, LLC

Ron Williams
Williams Bradbury, P.C
1015 West Hays Street
Boise, Idaho 83702

☐ Hand Delivered
☒ U.S. Mail
☐ Overnight Mail
☐ FAX
☒ Email ron@williamsbradbury.com

Ben Fairbanks
Director, Development
First Wind

☐ Hand Delivered
☐ U.S. Mail
☐ Overnight Mail
☐ FAX
☒ Email bfairbanks@firstwind.com


Christa Beary, Legal Assistant

**BEFORE THE
IDAHO PUBLIC UTILITIES COMMISSION**

CASE NO. IPC-E-14-32

IDAHO POWER COMPANY

ATTACHMENT 1

CLEAN FORMAT

SECOND REPLACEMENT APPENDIX E

SOLAR FACILITY ENERGY PRICES AND INTEGRATION CHARGES

(Prices based upon the energy shape and capacity specified in Appendix H)

E-1 Base Energy Purchase Prices – For all Base Energy received during Heavy Load Hours Idaho Power shall pay the Base Energy Heavy Load Purchase Price less the Solar Integration Charge specified below and for all Base Energy received during Light Load Hours Idaho Power shall pay the Base Energy Light Load Purchase Price less the Solar Integration Charge specified below. All of these prices are subject to revision as specified within paragraph 7.4.

<u>Month/Year</u>	<u>Base Energy Heavy Load Purchase Price (Mills/kWh)</u>	<u>Base Energy Light Load Purchase Price (Mills/kWh)</u>	<u>Solar Integration Charge (Mills/kWh)</u>
Jan-16	\$33.61	\$30.99	\$1.95
Feb-16	\$33.12	\$31.39	\$1.95
Mar-16	\$27.15	\$25.12	\$1.95
Apr-16	\$22.67	\$24.19	\$1.95
May-16	\$26.55	\$19.99	\$1.95
Jun-16	\$26.41	\$16.78	\$1.95
Jul-16	\$37.90	\$33.93	\$1.95
Aug-16	\$39.93	\$35.50	\$1.95
Sep-16	\$32.64	\$29.87	\$1.95
Oct-16	\$30.14	\$29.08	\$1.95
Nov-16	\$34.81	\$34.55	\$1.95
Dec-16	\$35.44	\$34.88	\$1.95
Jan-17	\$36.08	\$33.63	\$2.01
Feb-17	\$34.12	\$32.15	\$2.01
Mar-17	\$31.23	\$22.05	\$2.01
Apr-17	\$21.86	\$9.58	\$2.01
May-17	\$28.57	\$25.35	\$2.01
Jun-17	\$27.44	\$16.49	\$2.01
Jul-17	\$39.24	\$35.54	\$2.01
Aug-17	\$42.41	\$37.77	\$2.01
Sep-17	\$36.34	\$31.18	\$2.01
Oct-17	\$35.33	\$33.54	\$2.01
Nov-17	\$37.28	\$37.11	\$2.01
Dec-17	\$38.16	\$38.21	\$2.01
Jan-18	\$34.95	\$34.54	\$2.07
Feb-18	\$37.88	\$34.55	\$2.07

Mar-18	\$30.67	\$26.49	\$2.07
Apr-18	\$26.02	\$26.46	\$2.07
May-18	\$28.16	\$26.45	\$2.07
Jun-18	\$28.84	\$24.39	\$2.07
Jul-18	\$41.51	\$42.07	\$2.07
Aug-18	\$46.23	\$40.67	\$2.07
Sep-18	\$39.04	\$36.15	\$2.07
Oct-18	\$38.05	\$37.93	\$2.07
Nov-18	\$40.87	\$39.67	\$2.07
Dec-18	\$42.14	\$42.16	\$2.07
Jan-19	\$38.82	\$35.74	\$2.13
Feb-19	\$42.32	\$32.77	\$2.13
Mar-19	\$29.12	\$25.65	\$2.13
Apr-19	\$24.31	\$24.31	\$2.13
May-19	\$26.47	\$23.05	\$2.13
Jun-19	\$29.40	\$24.11	\$2.13
Jul-19	\$43.26	\$40.61	\$2.13
Aug-19	\$47.58	\$41.76	\$2.13
Sep-19	\$40.74	\$39.73	\$2.13
Oct-19	\$39.35	\$39.35	\$2.13
Nov-19	\$43.50	\$43.10	\$2.13
Dec-19	\$44.76	\$44.76	\$2.13
Jan-20	\$43.37	\$39.22	\$2.20
Feb-20	\$34.88	\$29.91	\$2.20
Mar-20	\$23.85	\$23.92	\$2.20
Apr-20	\$23.33	\$23.13	\$2.20
May-20	\$23.29	\$22.27	\$2.20
Jun-20	\$29.14	\$24.63	\$2.20
Jul-20	\$44.84	\$41.96	\$2.20
Aug-20	\$48.85	\$42.39	\$2.20
Sep-20	\$39.29	\$33.47	\$2.20
Oct-20	\$40.49	\$40.53	\$2.20
Nov-20	\$45.81	\$45.58	\$2.20
Dec-20	\$47.48	\$47.48	\$2.20
Jan-21	\$46.43	\$39.59	\$2.26
Feb-21	\$40.27	\$35.80	\$2.26
Mar-21	\$31.46	\$25.70	\$2.26
Apr-21	\$25.60	\$25.55	\$2.26
May-21	\$27.42	\$25.51	\$2.26
Jun-21	\$32.20	\$26.67	\$2.26
Jul-21	\$72.33	\$69.81	\$2.26
Aug-21	\$76.74	\$69.99	\$2.26
Sep-21	\$66.46	\$62.38	\$2.26
Oct-21	\$66.50	\$66.28	\$2.26
Nov-21	\$74.56	\$73.65	\$2.26
Dec-21	\$76.03	\$76.03	\$2.26
Jan-22	\$74.28	\$67.62	\$2.33

Feb-22	\$75.59	\$69.10	\$2.33
Mar-22	\$60.33	\$56.41	\$2.33
Apr-22	\$55.58	\$55.26	\$2.33
May-22	\$60.71	\$55.20	\$2.33
Jun-22	\$61.84	\$54.55	\$2.33
Jul-22	\$75.16	\$72.80	\$2.33
Aug-22	\$81.22	\$72.97	\$2.33
Sep-22	\$71.54	\$65.92	\$2.33
Oct-22	\$68.79	\$68.79	\$2.33
Nov-22	\$78.89	\$78.30	\$2.33
Dec-22	\$80.41	\$80.41	\$2.33
Jan-23	\$76.75	\$69.98	\$2.40
Feb-23	\$79.33	\$73.35	\$2.40
Mar-23	\$68.40	\$64.73	\$2.40
Apr-23	\$58.73	\$56.80	\$2.40
May-23	\$61.08	\$57.87	\$2.40
Jun-23	\$62.79	\$57.79	\$2.40
Jul-23	\$78.45	\$76.34	\$2.40
Aug-23	\$83.35	\$77.91	\$2.40
Sep-23	\$74.79	\$71.04	\$2.40
Oct-23	\$70.37	\$70.37	\$2.40
Nov-23	\$83.20	\$81.96	\$2.40
Dec-23	\$84.72	\$84.89	\$2.40
Jan-24	\$85.09	\$82.69	\$2.47
Feb-24	\$81.70	\$73.87	\$2.47
Mar-24	\$67.56	\$66.30	\$2.47
Apr-24	\$58.82	\$55.53	\$2.47
May-24	\$57.59	\$55.67	\$2.47
Jun-24	\$63.02	\$58.93	\$2.47
Jul-24	\$83.20	\$81.04	\$2.47
Aug-24	\$93.49	\$79.82	\$2.47
Sep-24	\$75.84	\$74.27	\$2.47
Oct-24	\$71.78	\$71.78	\$2.47
Nov-24	\$86.86	\$85.34	\$2.47
Dec-24	\$88.38	\$88.43	\$2.47
Jan-25	\$89.96	\$89.77	\$2.55
Feb-25	\$86.31	\$80.13	\$2.55
Mar-25	\$75.57	\$65.60	\$2.55
Apr-25	\$57.82	\$55.88	\$2.55
May-25	\$64.98	\$64.26	\$2.55
Jun-25	\$67.28	\$61.88	\$2.55
Jul-25	\$87.91	\$81.33	\$2.55
Aug-25	\$96.90	\$80.83	\$2.55
Sep-25	\$78.22	\$74.78	\$2.55
Oct-25	\$73.51	\$73.51	\$2.55
Nov-25	\$90.24	\$90.34	\$2.55
Dec-25	\$93.25	\$92.49	\$2.55

Jan-26	\$93.30	\$93.93	\$2.62
Feb-26	\$92.31	\$90.01	\$2.62
Mar-26	\$67.65	\$62.64	\$2.62
Apr-26	\$59.06	\$58.88	\$2.62
May-26	\$71.13	\$70.78	\$2.62
Jun-26	\$70.16	\$67.15	\$2.62
Jul-26	\$91.52	\$83.62	\$2.62
Aug-26	\$98.53	\$85.71	\$2.62
Sep-26	\$83.02	\$79.09	\$2.62
Oct-26	\$75.56	\$75.55	\$2.62
Nov-26	\$95.26	\$92.15	\$2.62
Dec-26	\$98.11	\$96.94	\$2.62
Jan-27	\$96.34	\$93.65	\$2.70
Feb-27	\$95.93	\$89.79	\$2.70
Mar-27	\$77.88	\$70.08	\$2.70
Apr-27	\$66.59	\$63.31	\$2.70
May-27	\$68.82	\$68.85	\$2.70
Jun-27	\$72.08	\$67.77	\$2.70
Jul-27	\$92.89	\$85.59	\$2.70
Aug-27	\$103.31	\$88.74	\$2.70
Sep-27	\$86.69	\$82.25	\$2.70
Oct-27	\$77.99	\$77.92	\$2.70
Nov-27	\$98.10	\$97.06	\$2.70
Dec-27	\$102.52	\$102.56	\$2.70
Jan-28	\$100.77	\$93.06	\$2.78
Feb-28	\$100.38	\$93.61	\$2.78
Mar-28	\$72.55	\$72.78	\$2.78
Apr-28	\$67.81	\$69.73	\$2.78
May-28	\$77.98	\$77.85	\$2.78
Jun-28	\$76.16	\$73.79	\$2.78
Jul-28	\$97.54	\$89.78	\$2.78
Aug-28	\$105.49	\$91.24	\$2.78
Sep-28	\$89.69	\$86.65	\$2.78
Oct-28	\$80.74	\$80.75	\$2.78
Nov-28	\$103.28	\$101.91	\$2.78
Dec-28	\$108.26	\$106.00	\$2.78
Jan-29	\$104.61	\$97.30	\$2.87
Feb-29	\$103.40	\$96.66	\$2.87
Mar-29	\$76.95	\$70.84	\$2.87
Apr-29	\$69.35	\$67.75	\$2.87
May-29	\$79.98	\$79.78	\$2.87
Jun-29	\$77.65	\$75.44	\$2.87
Jul-29	\$101.59	\$93.23	\$2.87
Aug-29	\$110.69	\$93.50	\$2.87
Sep-29	\$94.81	\$90.59	\$2.87
Oct-29	\$83.18	\$83.19	\$2.87
Nov-29	\$106.64	\$106.21	\$2.87

Dec-29	\$110.73	\$108.84	\$2.87
Jan-30	\$107.79	\$104.03	\$2.95
Feb-30	\$107.44	\$101.08	\$2.95
Mar-30	\$79.09	\$77.12	\$2.95
Apr-30	\$63.83	\$64.37	\$2.95
May-30	\$70.54	\$64.19	\$2.95
Jun-30	\$80.21	\$78.83	\$2.95
Jul-30	\$107.76	\$99.18	\$2.95
Aug-30	\$113.91	\$96.84	\$2.95
Sep-30	\$98.34	\$94.22	\$2.95
Oct-30	\$86.21	\$86.21	\$2.95
Nov-30	\$110.12	\$108.35	\$2.95
Dec-30	\$114.79	\$112.10	\$2.95
Jan-31	\$116.17	\$111.48	\$3.04
Feb-31	\$112.91	\$103.81	\$3.04
Mar-31	\$96.56	\$88.58	\$3.04
Apr-31	\$72.73	\$65.18	\$3.04
May-31	\$89.80	\$80.40	\$3.04
Jun-31	\$86.96	\$86.37	\$3.04
Jul-31	\$118.44	\$105.48	\$3.04
Aug-31	\$118.06	\$102.77	\$3.04
Sep-31	\$109.68	\$104.47	\$3.04
Oct-31	\$97.12	\$90.06	\$3.04
Nov-31	\$119.11	\$117.33	\$3.04
Dec-31	\$129.05	\$122.99	\$3.04
Jan-32	\$120.09	\$113.68	\$3.13
Feb-32	\$117.17	\$102.91	\$3.13
Mar-32	\$97.19	\$85.89	\$3.13
Apr-32	\$83.09	\$81.15	\$3.13
May-32	\$95.11	\$92.74	\$3.13
Jun-32	\$90.52	\$90.61	\$3.13
Jul-32	\$127.28	\$113.58	\$3.13
Aug-32	\$123.82	\$107.74	\$3.13
Sep-32	\$113.36	\$106.95	\$3.13
Oct-32	\$102.03	\$94.63	\$3.13
Nov-32	\$127.86	\$124.70	\$3.13
Dec-32	\$130.45	\$125.33	\$3.13
Jan-33	\$123.10	\$116.49	\$3.23
Feb-33	\$120.09	\$105.40	\$3.23
Mar-33	\$99.50	\$87.87	\$3.23
Apr-33	\$84.99	\$82.99	\$3.23
May-33	\$97.37	\$94.92	\$3.23
Jun-33	\$92.64	\$92.73	\$3.23
Jul-33	\$130.50	\$116.39	\$3.23
Aug-33	\$126.94	\$110.38	\$3.23
Sep-33	\$116.17	\$109.56	\$3.23
Oct-33	\$104.50	\$96.88	\$3.23

Nov-33	\$131.10	\$127.85	\$3.23
Dec-33	\$133.77	\$128.49	\$3.23
Jan-34	\$126.14	\$119.34	\$3.32
Feb-34	\$123.05	\$107.91	\$3.32
Mar-34	\$101.84	\$89.86	\$3.32
Apr-34	\$86.89	\$84.84	\$3.32
May-34	\$99.64	\$97.12	\$3.32
Jun-34	\$94.77	\$94.87	\$3.32
Jul-34	\$133.77	\$119.24	\$3.32
Aug-34	\$130.10	\$113.04	\$3.32
Sep-34	\$119.00	\$112.20	\$3.32
Oct-34	\$106.99	\$99.13	\$3.32
Nov-34	\$134.39	\$131.04	\$3.32
Dec-34	\$137.14	\$131.70	\$3.32
Jan-35	\$129.28	\$122.27	\$3.42
Feb-35	\$126.09	\$110.50	\$3.42
Mar-35	\$104.25	\$91.91	\$3.42
Apr-35	\$88.85	\$86.73	\$3.42
May-35	\$101.98	\$99.39	\$3.42
Jun-35	\$96.97	\$97.07	\$3.42
Jul-35	\$137.14	\$122.17	\$3.42
Aug-35	\$133.36	\$115.79	\$3.42
Sep-35	\$121.93	\$114.92	\$3.42
Oct-35	\$109.55	\$101.46	\$3.42
Nov-35	\$137.77	\$134.32	\$3.42
Dec-35	\$140.60	\$135.00	\$3.42
Jan-36	\$132.46	\$125.24	\$3.52
Feb-36	\$129.18	\$113.12	\$3.52
Mar-36	\$106.68	\$93.97	\$3.52
Apr-36	\$90.82	\$88.64	\$3.52
May-36	\$104.35	\$101.67	\$3.52
Jun-36	\$99.18	\$99.28	\$3.52
Jul-36	\$140.55	\$125.14	\$3.52
Aug-36	\$136.66	\$118.56	\$3.52
Sep-36	\$124.89	\$117.67	\$3.52
Oct-36	\$112.14	\$103.81	\$3.52
Nov-36	\$141.21	\$137.65	\$3.52
Dec-36	\$144.12	\$138.36	\$3.52

REDLINED FORMAT

SECOND REPLACEMENT APPENDIX E

SOLAR FACILITY ENERGY PRICES AND INTEGRATION CHARGES

(Prices based upon the energy shape and capacity specified in Appendix H)

E-1 Base Energy Purchase Prices – For all Base Energy received during Heavy Load Hours Idaho

Power shall pay the Base Energy Heavy Load Purchase Price less the Solar Integration Charge specified below and for all Base Energy received during Light Load Hours Idaho Power shall pay the Base Energy Light Load Purchase Price less the Solar Integration Charge specified below. All of these prices are subject to revision as specified within paragraph 7.4.

<u>Month/Year</u>	<u>Base Energy Heavy Load Purchase Price (Mills/kWh)</u>	<u>Base Energy Light Load Purchase Price (Mills/kWh)</u>	<u>Solar Integration Charge (Mills/kWh)</u>
Jan-16	\$33.61 \$29.98	\$30.99 \$28.81	\$1.95
Feb-16	\$33.12 \$29.86	\$31.39 \$28.92	\$1.95
Mar-16	\$27.15 \$27.20	\$25.12 \$25.25	\$1.95
Apr-16	\$22.67 \$24.15	\$24.19 \$24.93	\$1.95
May-16	\$26.55 \$27.30	\$19.99 \$23.96	\$1.95
Jun-16	\$26.41 \$27.15	\$16.78 \$20.64	\$1.95
Jul-16	\$37.90 \$39.08	\$33.93 \$35.59	\$1.95
Aug-16	\$39.93 \$40.43	\$35.50 \$36.20	\$1.95
Sep-16	\$32.64 \$33.96	\$29.87 \$31.55	\$1.95
Oct-16	\$30.14 \$32.24	\$29.08 \$31.64	\$1.95
Nov-16	\$34.81 \$33.69	\$34.55 \$33.20	\$1.95
Dec-16	\$35.44 \$34.41	\$34.88 \$33.31	\$1.95
Jan-17	\$36.08 \$32.58	\$33.63 \$32.12	\$2.01
Feb-17	\$34.12 \$32.19	\$32.15 \$31.51	\$2.01
Mar-17	\$31.23 \$31.23	\$22.05 \$25.93	\$2.01
Apr-17	\$21.86 \$25.11	\$9.58 \$15.54	\$2.01
May-17	\$28.57 \$30.40	\$25.35 \$26.05	\$2.01
Jun-17	\$27.44 \$29.15	\$16.49 \$19.96	\$2.01
Jul-17	\$39.24 \$41.09	\$35.54 \$37.20	\$2.01
Aug-17	\$42.41 \$42.76	\$37.77 \$38.31	\$2.01
Sep-17	\$36.34 \$37.58	\$31.18 \$33.86	\$2.01
Oct-17	\$35.33 \$36.32	\$33.54 \$35.26	\$2.01
Nov-17	\$37.28 \$36.52	\$37.11 \$36.61	\$2.01
Dec-17	\$38.16 \$36.65	\$38.21 \$35.84	\$2.01
Jan-18	\$34.95 \$34.84	\$34.54 \$33.67	\$2.07
Feb-18	\$37.88 \$35.81	\$34.55 \$34.25	\$2.07

Mar-18	<u>\$30.67</u> \$29.65	<u>\$26.49</u> \$27.44	\$2.07
Apr-18	<u>\$26.02</u> \$26.72	<u>\$26.46</u> \$26.45	\$2.07
May-18	<u>\$28.16</u> \$28.02	<u>\$26.45</u> \$26.45	\$2.07
Jun-18	<u>\$28.84</u> \$29.26	<u>\$24.39</u> \$25.62	\$2.07
Jul-18	<u>\$41.51</u> \$42.07	<u>\$42.07</u> \$42.70	\$2.07
Aug-18	<u>\$46.23</u> \$46.63	<u>\$40.67</u> \$40.94	\$2.07
Sep-18	<u>\$39.04</u> \$40.28	<u>\$36.15</u> \$38.54	\$2.07
Oct-18	<u>\$38.05</u> \$38.07	<u>\$37.93</u> \$37.82	\$2.07
Nov-18	<u>\$40.87</u> \$38.12	<u>\$39.67</u> \$38.07	\$2.07
Dec-18	<u>\$42.14</u> \$38.07	<u>\$42.16</u> \$38.07	\$2.07
Jan-19	<u>\$38.82</u> \$36.91	<u>\$35.74</u> \$34.37	\$2.13
Feb-19	<u>\$42.32</u> \$37.43	<u>\$32.77</u> \$32.97	\$2.13
Mar-19	<u>\$29.12</u> \$30.43	<u>\$25.65</u> \$25.57	\$2.13
Apr-19	<u>\$24.31</u> \$24.50	<u>\$24.31</u> \$24.31	\$2.13
May-19	<u>\$26.47</u> \$26.20	<u>\$23.05</u> \$23.05	\$2.13
Jun-19	<u>\$29.40</u> \$29.45	<u>\$24.11</u> \$24.29	\$2.13
Jul-19	<u>\$43.26</u> \$43.61	<u>\$40.61</u> \$41.83	\$2.13
Aug-19	<u>\$47.58</u> \$47.69	<u>\$41.76</u> \$42.62	\$2.13
Sep-19	<u>\$40.74</u> \$41.93	<u>\$39.73</u> \$41.50	\$2.13
Oct-19	<u>\$39.35</u> \$39.35	<u>\$39.35</u> \$39.35	\$2.13
Nov-19	<u>\$43.50</u> \$39.37	<u>\$43.10</u> \$39.29	\$2.13
Dec-19	<u>\$44.76</u> \$39.35	<u>\$44.76</u> \$39.35	\$2.13
Jan-20	<u>\$43.37</u> \$39.52	<u>\$39.22</u> \$37.25	\$2.20
Feb-20	<u>\$34.88</u> \$34.51	<u>\$29.91</u> \$31.50	\$2.20
Mar-20	<u>\$23.85</u> \$23.84	<u>\$23.92</u> \$23.87	\$2.20
Apr-20	<u>\$23.33</u> \$23.31	<u>\$23.13</u> \$23.10	\$2.20
May-20	<u>\$23.29</u> \$25.10	<u>\$22.27</u> \$21.97	\$2.20
Jun-20	<u>\$29.14</u> \$29.40	<u>\$24.63</u> \$24.79	\$2.20
Jul-20	<u>\$44.84</u> \$44.92	<u>\$41.96</u> \$43.01	\$2.20
Aug-20	<u>\$48.85</u> \$49.05	<u>\$42.39</u> \$43.16	\$2.20
Sep-20	<u>\$39.29</u> \$40.36	<u>\$33.47</u> \$35.90	\$2.20
Oct-20	<u>\$40.49</u> \$40.53	<u>\$40.53</u> \$40.53	\$2.20
Nov-20	<u>\$45.81</u> \$40.53	<u>\$45.58</u> \$40.53	\$2.20
Dec-20	<u>\$47.48</u> \$40.53	<u>\$47.48</u> \$40.53	\$2.20
Jan-21	<u>\$46.43</u> \$41.86	<u>\$39.59</u> \$40.88	\$2.26
Feb-21	<u>\$40.27</u> \$37.26	<u>\$35.80</u> \$33.97	\$2.26
Mar-21	<u>\$31.46</u> \$31.12	<u>\$25.70</u> \$25.70	\$2.26
Apr-21	<u>\$25.60</u> \$25.73	<u>\$25.55</u> \$25.50	\$2.26
May-21	<u>\$27.42</u> \$27.91	<u>\$25.51</u> \$25.51	\$2.26
Jun-21	<u>\$32.20</u> \$33.00	<u>\$26.67</u> \$26.68	\$2.26
Jul-21	<u>\$72.33</u> \$72.85	<u>\$69.81</u> \$70.28	\$2.26
Aug-21	<u>\$76.74</u> \$77.11	<u>\$69.99</u> \$69.75	\$2.26
Sep-21	<u>\$66.46</u> \$68.26	<u>\$62.38</u> \$63.50	\$2.26
Oct-21	<u>\$66.50</u> \$67.43	<u>\$66.28</u> \$67.40	\$2.26
Nov-21	<u>\$74.56</u> \$67.43	<u>\$73.65</u> \$67.38	\$2.26
Dec-21	<u>\$76.03</u> \$67.43	<u>\$76.03</u> \$67.43	\$2.26
Jan-22	<u>\$74.28</u> \$69.63	<u>\$67.62</u> \$68.49	\$2.33

Feb-22	<u>\$75.59</u> \$70.01	<u>\$69.10</u> \$69.00	\$2.33
Mar-22	<u>\$60.33</u> \$61.91	<u>\$56.41</u> \$56.40	\$2.33
Apr-22	<u>\$55.58</u> \$55.49	<u>\$55.26</u> \$55.26	\$2.33
May-22	<u>\$60.71</u> \$59.64	<u>\$55.20</u> \$55.20	\$2.33
Jun-22	<u>\$61.84</u> \$62.24	<u>\$54.55</u> \$55.95	\$2.33
Jul-22	<u>\$75.16</u> \$76.00	<u>\$72.80</u> \$74.13	\$2.33
Aug-22	<u>\$81.22</u> \$81.65	<u>\$72.97</u> \$74.28	\$2.33
Sep-22	<u>\$71.54</u> \$73.97	<u>\$65.92</u> \$70.91	\$2.33
Oct-22	<u>\$68.79</u> \$70.95	<u>\$68.79</u> \$70.91	\$2.33
Nov-22	<u>\$78.89</u> \$70.94	<u>\$78.30</u> \$70.90	\$2.33
Dec-22	<u>\$80.41</u> \$70.96	<u>\$80.41</u> \$70.96	\$2.33
Jan-23	<u>\$76.75</u> \$72.13	<u>\$69.98</u> \$69.78	\$2.40
Feb-23	<u>\$79.33</u> \$73.10	<u>\$73.35</u> \$70.51	\$2.40
Mar-23	<u>\$68.40</u> \$67.56	<u>\$64.73</u> \$63.76	\$2.40
Apr-23	<u>\$58.73</u> \$59.27	<u>\$56.80</u> \$56.71	\$2.40
May-23	<u>\$61.08</u> \$63.60	<u>\$57.87</u> \$58.45	\$2.40
Jun-23	<u>\$62.79</u> \$64.35	<u>\$57.79</u> \$60.11	\$2.40
Jul-23	<u>\$78.45</u> \$79.50	<u>\$76.34</u> \$78.52	\$2.40
Aug-23	<u>\$83.35</u> \$83.93	<u>\$77.91</u> \$79.57	\$2.40
Sep-23	<u>\$74.79</u> \$77.96	<u>\$71.04</u> \$73.91	\$2.40
Oct-23	<u>\$70.37</u> \$74.45	<u>\$70.37</u> \$74.36	\$2.40
Nov-23	<u>\$83.20</u> \$74.49	<u>\$81.96</u> \$74.19	\$2.40
Dec-23	<u>\$84.72</u> \$74.65	<u>\$84.89</u> \$75.39	\$2.40
Jan-24	<u>\$85.09</u> \$76.70	<u>\$82.69</u> \$75.44	\$2.47
Feb-24	<u>\$81.70</u> \$75.82	<u>\$73.87</u> \$72.44	\$2.47
Mar-24	<u>\$67.56</u> \$67.00	<u>\$66.30</u> \$67.15	\$2.47
Apr-24	<u>\$58.82</u> \$59.29	<u>\$55.53</u> \$55.45	\$2.47
May-24	<u>\$57.59</u> \$64.12	<u>\$55.67</u> \$59.47	\$2.47
Jun-24	<u>\$63.02</u> \$63.59	<u>\$58.93</u> \$58.45	\$2.47
Jul-24	<u>\$83.20</u> \$84.28	<u>\$81.04</u> \$82.68	\$2.47
Aug-24	<u>\$93.49</u> \$93.16	<u>\$79.82</u> \$79.90	\$2.47
Sep-24	<u>\$75.84</u> \$80.23	<u>\$74.27</u> \$78.92	\$2.47
Oct-24	<u>\$71.78</u> \$77.23	<u>\$71.78</u> \$77.23	\$2.47
Nov-24	<u>\$86.86</u> \$77.32	<u>\$85.34</u> \$76.70	\$2.47
Dec-24	<u>\$88.38</u> \$77.20	<u>\$88.43</u> \$77.23	\$2.47
Jan-25	<u>\$89.96</u> \$79.72	<u>\$89.77</u> \$79.45	\$2.55
Feb-25	<u>\$86.31</u> \$78.59	<u>\$80.13</u> \$76.82	\$2.55
Mar-25	<u>\$75.57</u> \$73.52	<u>\$65.60</u> \$68.41	\$2.55
Apr-25	<u>\$57.82</u> \$57.74	<u>\$55.88</u> \$55.88	\$2.55
May-25	<u>\$64.98</u> \$66.27	<u>\$64.26</u> \$64.26	\$2.55
Jun-25	<u>\$67.28</u> \$69.01	<u>\$61.88</u> \$65.59	\$2.55
Jul-25	<u>\$87.91</u> \$90.11	<u>\$81.33</u> \$81.88	\$2.55
Aug-25	<u>\$96.90</u> \$96.30	<u>\$80.83</u> \$82.20	\$2.55
Sep-25	<u>\$78.22</u> \$83.29	<u>\$74.78</u> \$81.13	\$2.55
Oct-25	<u>\$73.51</u> \$79.92	<u>\$73.51</u> \$79.92	\$2.55
Nov-25	<u>\$90.24</u> \$79.92	<u>\$90.34</u> \$79.59	\$2.55
Dec-25	<u>\$93.25</u> \$83.00	<u>\$92.49</u> \$82.64	\$2.55

Jan-26	<u>\$93.30</u> \$82.92	<u>\$93.93</u> \$82.58	\$2.62
Feb-26	<u>\$92.31</u> \$82.87	<u>\$90.01</u> \$80.72	\$2.62
Mar-26	<u>\$67.65</u> \$67.03	<u>\$62.64</u> \$59.71	\$2.62
Apr-26	<u>\$59.06</u> \$58.71	<u>\$58.88</u> \$55.76	\$2.62
May-26	<u>\$71.13</u> \$71.66	<u>\$70.78</u> \$70.65	\$2.62
Jun-26	<u>\$70.16</u> \$72.43	<u>\$67.15</u> \$69.73	\$2.62
Jul-26	<u>\$91.52</u> \$93.09	<u>\$83.62</u> \$86.22	\$2.62
Aug-26	<u>\$98.53</u> \$100.19	<u>\$85.71</u> \$86.68	\$2.62
Sep-26	<u>\$83.02</u> \$88.02	<u>\$79.09</u> \$84.85	\$2.62
Oct-26	<u>\$75.56</u> \$83.35	<u>\$75.55</u> \$83.33	\$2.62
Nov-26	<u>\$95.26</u> \$83.78	<u>\$92.15</u> \$82.50	\$2.62
Dec-26	<u>\$98.11</u> \$86.58	<u>\$96.94</u> \$86.29	\$2.62
Jan-27	<u>\$96.34</u> \$85.27	<u>\$93.65</u> \$84.16	\$2.70
Feb-27	<u>\$95.93</u> \$85.57	<u>\$89.79</u> \$81.73	\$2.70
Mar-27	<u>\$77.88</u> \$76.52	<u>\$70.08</u> \$74.86	\$2.70
Apr-27	<u>\$66.59</u> \$66.81	<u>\$63.31</u> \$64.92	\$2.70
May-27	<u>\$68.82</u> \$72.75	<u>\$68.85</u> \$72.56	\$2.70
Jun-27	<u>\$72.08</u> \$75.04	<u>\$67.77</u> \$71.34	\$2.70
Jul-27	<u>\$92.89</u> \$95.02	<u>\$85.59</u> \$88.48	\$2.70
Aug-27	<u>\$103.31</u> \$103.93	<u>\$88.74</u> \$90.12	\$2.70
Sep-27	<u>\$86.69</u> \$91.05	<u>\$82.25</u> \$87.78	\$2.70
Oct-27	<u>\$77.99</u> \$85.99	<u>\$77.92</u> \$85.63	\$2.70
Nov-27	<u>\$98.10</u> \$86.85	<u>\$97.06</u> \$87.42	\$2.70
Dec-27	<u>\$102.52</u> \$92.80	<u>\$102.56</u> \$93.72	\$2.70
Jan-28	<u>\$100.77</u> \$88.61	<u>\$93.06</u> \$86.52	\$2.78
Feb-28	<u>\$100.38</u> \$88.75	<u>\$93.61</u> \$86.25	\$2.78
Mar-28	<u>\$72.55</u> \$72.59	<u>\$72.78</u> \$72.78	\$2.78
Apr-28	<u>\$67.81</u> \$68.11	<u>\$69.73</u> \$68.41	\$2.78
May-28	<u>\$77.98</u> \$78.21	<u>\$77.85</u> \$77.85	\$2.78
Jun-28	<u>\$76.16</u> \$79.51	<u>\$73.79</u> \$78.14	\$2.78
Jul-28	<u>\$97.54</u> \$100.08	<u>\$89.78</u> \$92.45	\$2.78
Aug-28	<u>\$105.49</u> \$105.93	<u>\$91.24</u> \$92.81	\$2.78
Sep-28	<u>\$89.69</u> \$94.19	<u>\$86.65</u> \$92.07	\$2.78
Oct-28	<u>\$80.74</u> \$89.44	<u>\$80.75</u> \$89.44	\$2.78
Nov-28	<u>\$103.28</u> \$91.09	<u>\$101.91</u> \$91.37	\$2.78
Dec-28	<u>\$108.26</u> \$99.79	<u>\$106.00</u> \$94.63	\$2.78
Jan-29	<u>\$104.61</u> \$91.73	<u>\$97.30</u> \$88.02	\$2.87
Feb-29	<u>\$103.40</u> \$91.69	<u>\$96.66</u> \$88.85	\$2.87
Mar-29	<u>\$76.95</u> \$80.53	<u>\$70.84</u> \$69.11	\$2.87
Apr-29	<u>\$69.35</u> \$68.95	<u>\$67.75</u> \$69.06	\$2.87
May-29	<u>\$79.98</u> \$80.36	<u>\$79.78</u> \$79.78	\$2.87
Jun-29	<u>\$77.65</u> \$80.48	<u>\$75.44</u> \$79.80	\$2.87
Jul-29	<u>\$101.59</u> \$110.07	<u>\$93.23</u> \$96.08	\$2.87
Aug-29	<u>\$110.69</u> \$116.13	<u>\$93.50</u> \$95.28	\$2.87
Sep-29	<u>\$94.81</u> \$98.95	<u>\$90.59</u> \$96.37	\$2.87
Oct-29	<u>\$83.18</u> \$92.56	<u>\$83.19</u> \$92.56	\$2.87
Nov-29	<u>\$106.64</u> \$93.12	<u>\$106.21</u> \$92.56	\$2.87

Dec-29	<u>\$110.73</u> \$102.66	<u>\$108.84</u> \$95.44	\$2.87
Jan-30	<u>\$107.79</u> \$94.84	<u>\$104.03</u> \$94.05	\$2.95
Feb-30	<u>\$107.44</u> \$94.84	<u>\$101.08</u> \$92.74	\$2.95
Mar-30	<u>\$79.09</u> \$78.87	<u>\$77.12</u> \$77.12	\$2.95
Apr-30	<u>\$63.83</u> \$63.95	<u>\$64.37</u> \$64.37	\$2.95
May-30	<u>\$70.54</u> \$68.38	<u>\$64.19</u> \$64.19	\$2.95
Jun-30	<u>\$80.21</u> \$82.58	<u>\$78.83</u> \$83.94	\$2.95
Jul-30	<u>\$107.76</u> \$118.32	<u>\$99.18</u> \$103.28	\$2.95
Aug-30	<u>\$113.91</u> \$118.89	<u>\$96.84</u> \$98.54	\$2.95
Sep-30	<u>\$98.34</u> \$102.38	<u>\$94.22</u> \$99.30	\$2.95
Oct-30	<u>\$86.21</u> \$95.88	<u>\$86.21</u> \$95.52	\$2.95
Nov-30	<u>\$110.12</u> \$96.69	<u>\$108.35</u> \$95.79	\$2.95
Dec-30	<u>\$114.79</u> \$106.44	<u>\$112.10</u> \$98.91	\$2.95
Jan-31	<u>\$116.17</u> \$108.57	<u>\$111.48</u> \$103.67	\$3.04
Feb-31	<u>\$112.91</u> \$104.94	<u>\$103.81</u> \$95.11	\$3.04
Mar-31	<u>\$96.56</u> \$93.26	<u>\$88.58</u> \$88.02	\$3.04
Apr-31	<u>\$72.73</u> \$74.08	<u>\$65.18</u> \$68.20	\$3.04
May-31	<u>\$89.80</u> \$90.81	<u>\$80.40</u> \$83.89	\$3.04
Jun-31	<u>\$86.96</u> \$87.32	<u>\$86.37</u> \$87.18	\$3.04
Jul-31	<u>\$118.44</u> \$131.93	<u>\$105.48</u> \$116.07	\$3.04
Aug-31	<u>\$118.06</u> \$126.04	<u>\$102.77</u> \$103.64	\$3.04
Sep-31	<u>\$109.68</u> \$109.66	<u>\$104.47</u> \$106.12	\$3.04
Oct-31	<u>\$97.12</u> \$108.64	<u>\$90.06</u> \$99.86	\$3.04
Nov-31	<u>\$119.11</u> \$116.24	<u>\$117.33</u> \$110.53	\$3.04
Dec-31	<u>\$129.05</u> \$128.84	<u>\$122.99</u> \$122.49	\$3.04
Jan-32	<u>\$120.09</u> \$114.76	<u>\$113.68</u> \$107.83	\$3.13
Feb-32	<u>\$117.17</u> \$109.74	<u>\$102.91</u> \$96.93	\$3.13
Mar-32	<u>\$97.19</u> \$99.58	<u>\$85.89</u> \$89.32	\$3.13
Apr-32	<u>\$83.09</u> \$84.75	<u>\$81.15</u> \$81.15	\$3.13
May-32	<u>\$95.11</u> \$95.06	<u>\$92.74</u> \$92.91	\$3.13
Jun-32	<u>\$90.52</u> \$91.81	<u>\$90.61</u> \$91.15	\$3.13
Jul-32	<u>\$127.28</u> \$143.44	<u>\$113.58</u> \$123.11	\$3.13
Aug-32	<u>\$123.82</u> \$132.45	<u>\$107.74</u> \$108.47	\$3.13
Sep-32	<u>\$113.36</u> \$113.27	<u>\$106.95</u> \$110.04	\$3.13
Oct-32	<u>\$102.03</u> \$113.89	<u>\$94.63</u> \$106.52	\$3.13
Nov-32	<u>\$127.86</u> \$124.75	<u>\$124.70</u> \$121.80	\$3.13
Dec-32	<u>\$130.45</u> \$129.81	<u>\$125.33</u> \$123.33	\$3.13
Jan-33	<u>\$123.10</u> \$117.61	<u>\$116.49</u> \$110.47	\$3.23
Feb-33	<u>\$120.09</u> \$112.44	<u>\$105.40</u> \$99.24	\$3.23
Mar-33	<u>\$99.50</u> \$101.97	<u>\$87.87</u> \$91.40	\$3.23
Apr-33	<u>\$84.99</u> \$86.69	<u>\$82.99</u> \$82.99	\$3.23
May-33	<u>\$97.37</u> \$97.31	<u>\$94.92</u> \$95.10	\$3.23
Jun-33	<u>\$92.64</u> \$93.97	<u>\$92.73</u> \$93.29	\$3.23
Jul-33	<u>\$130.50</u> \$147.15	<u>\$116.39</u> \$126.20	\$3.23
Aug-33	<u>\$126.94</u> \$135.82	<u>\$110.38</u> \$111.13	\$3.23
Sep-33	<u>\$116.17</u> \$116.07	<u>\$109.56</u> \$112.74	\$3.23
Oct-33	<u>\$104.50</u> \$116.71	<u>\$96.88</u> \$109.12	\$3.23

Nov-33	<u>\$131.10</u> \$127.90	<u>\$127.85</u> \$124.86	\$3.23
Dec-33	<u>\$133.77</u> \$133.11	<u>\$128.49</u> \$126.44	\$3.23
Jan-34	<u>\$126.14</u> \$120.49	<u>\$119.34</u> \$113.14	\$3.32
Feb-34	<u>\$123.05</u> \$115.17	<u>\$107.91</u> \$101.57	\$3.32
Mar-34	<u>\$101.84</u> \$104.39	<u>\$89.86</u> \$93.50	\$3.32
Apr-34	<u>\$86.89</u> \$88.65	<u>\$84.84</u> \$84.84	\$3.32
May-34	<u>\$99.64</u> \$99.58	<u>\$97.12</u> \$97.30	\$3.32
Jun-34	<u>\$94.77</u> \$96.14	<u>\$94.87</u> \$95.44	\$3.32
Jul-34	<u>\$133.77</u> \$150.91	<u>\$119.24</u> \$129.34	\$3.32
Aug-34	<u>\$130.10</u> \$139.25	<u>\$113.04</u> \$113.82	\$3.32
Sep-34	<u>\$119.00</u> \$118.90	<u>\$112.20</u> \$115.48	\$3.32
Oct-34	<u>\$106.99</u> \$119.56	<u>\$99.13</u> \$111.75	\$3.32
Nov-34	<u>\$134.39</u> \$131.09	<u>\$131.04</u> \$127.96	\$3.32
Dec-34	<u>\$137.14</u> \$136.45	<u>\$131.70</u> \$129.58	\$3.32
Jan-35	<u>\$129.28</u> \$123.46	<u>\$122.27</u> \$115.88	\$3.42
Feb-35	<u>\$126.09</u> \$117.97	<u>\$110.50</u> \$103.97	\$3.42
Mar-35	<u>\$104.25</u> \$106.87	<u>\$91.91</u> \$95.66	\$3.42
Apr-35	<u>\$88.85</u> \$90.66	<u>\$86.73</u> \$86.73	\$3.42
May-35	<u>\$101.98</u> \$101.92	<u>\$99.39</u> \$99.58	\$3.42
Jun-35	<u>\$96.97</u> \$98.38	<u>\$97.07</u> \$97.66	\$3.42
Jul-35	<u>\$137.14</u> \$154.79	<u>\$122.17</u> \$132.58	\$3.42
Aug-35	<u>\$133.36</u> \$142.78	<u>\$115.79</u> \$116.59	\$3.42
Sep-35	<u>\$121.93</u> \$121.82	<u>\$114.92</u> \$118.29	\$3.42
Oct-35	<u>\$109.55</u> \$122.50	<u>\$101.46</u> \$114.45	\$3.42
Nov-35	<u>\$137.77</u> \$134.38	<u>\$134.32</u> \$131.15	\$3.42
Dec-35	<u>\$140.60</u> \$139.90	<u>\$135.00</u> \$132.82	\$3.42
Jan-36	<u>\$132.46</u> \$126.46	<u>\$125.24</u> \$118.66	\$3.52
Feb-36	<u>\$129.18</u> \$120.82	<u>\$113.12</u> \$106.39	\$3.52
Mar-36	<u>\$106.68</u> \$109.38	<u>\$93.97</u> \$97.83	\$3.52
Apr-36	<u>\$90.82</u> \$92.68	<u>\$88.64</u> \$88.64	\$3.52
May-36	<u>\$104.35</u> \$104.28	<u>\$101.67</u> \$101.87	\$3.52
Jun-36	<u>\$99.18</u> \$100.63	<u>\$99.28</u> \$99.89	\$3.52
Jul-36	<u>\$140.55</u> \$158.74	<u>\$125.14</u> \$135.86	\$3.52
Aug-36	<u>\$136.66</u> \$146.37	<u>\$118.56</u> \$119.39	\$3.52
Sep-36	<u>\$124.89</u> \$124.78	<u>\$117.67</u> \$121.15	\$3.52
Oct-36	<u>\$112.14</u> \$125.48	<u>\$103.81</u> \$117.19	\$3.52
Nov-36	<u>\$141.21</u> \$137.71	<u>\$137.65</u> \$134.39	\$3.52
Dec-36	<u>\$144.12</u> \$143.40	<u>\$138.36</u> \$136.11	\$3.52